Behind the Code: Inculcating habits when designing Software Systems

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New Habits: Behind the Code

What habits will help us in designing our software?

- Fit to Purpose

- Collaborate Early and Collaborate Often

- Be Empowered

- Stay Simple and Stay Agile

What is a Software Design?

Software Design = Every Decision you are going to make or make when creating or altering a software system
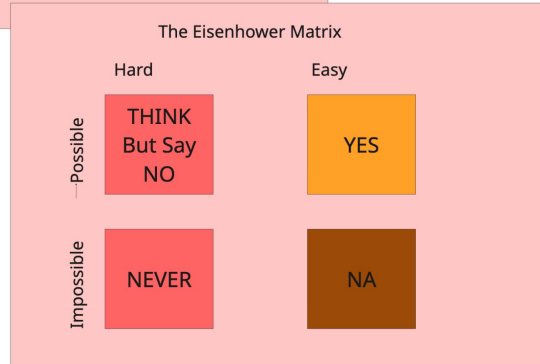
Writing Proposals	Building Prototypes	Software Artifacts (C4's)

Fit to Purpose

What problem are we trying to solve ?

- Stay away from solving general problems

- Don't solve tomorrow's problem today?

- Use Eisenhower matrix to sift through your needs

Collaborate early and collaborate often

How do I explore my options ?

- Whiteboard is your friend
- Best decisions are made when you are actively collaborating
- You can go back to your focus time with clarity

Be Empowered

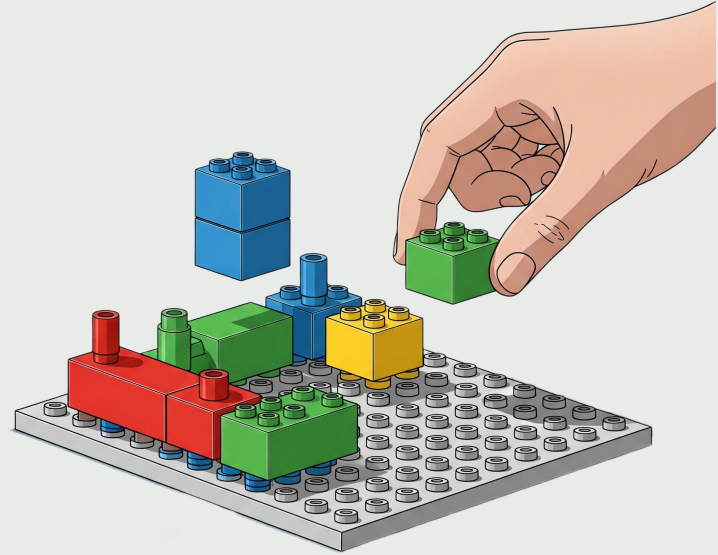How do I make my decisions ?

- You make your own decisions
- Architects/Leads can only suggest, but ultimately you decide
- Avoid DESIGN By COMMITTEE

Stay Simple Stay Agile

How do give shape to my decisions?

- Start with the simplest meaningful thing
- Build the minimal working slice, then evolve
- Simplicity = flexibility -> makes swapping things easy later

With Good Habits comes Good Software

How do I make a difference ?

Good software design is about disciplined habits
Keep it purposeful, collaborative, empowered and simple – and
the system will follow